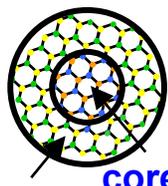
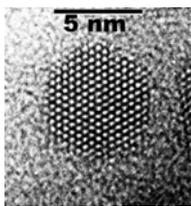
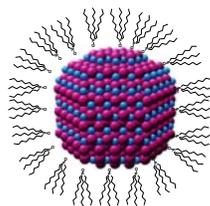
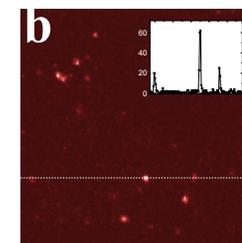
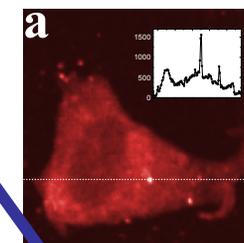
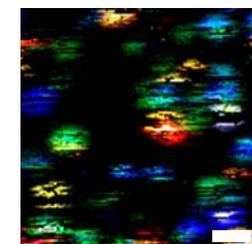
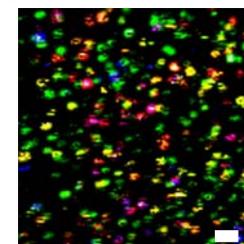
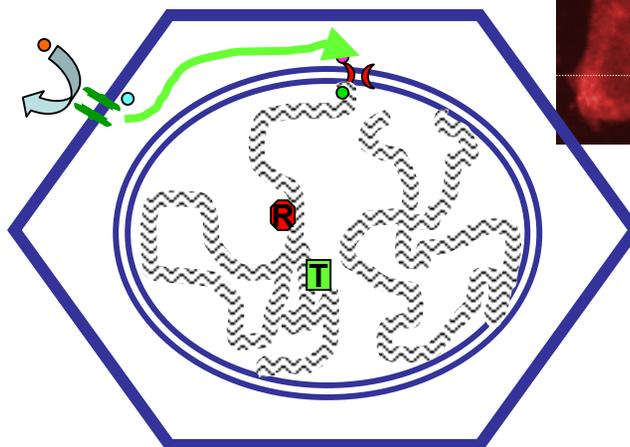
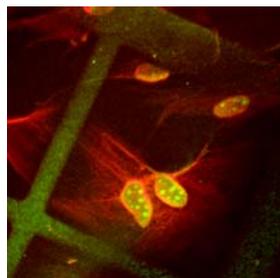
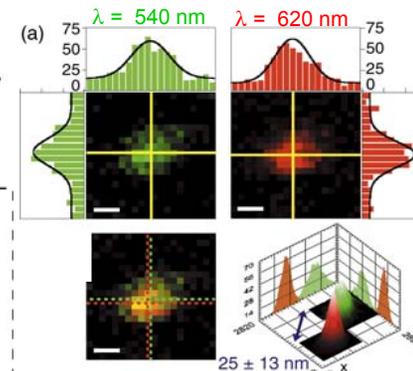
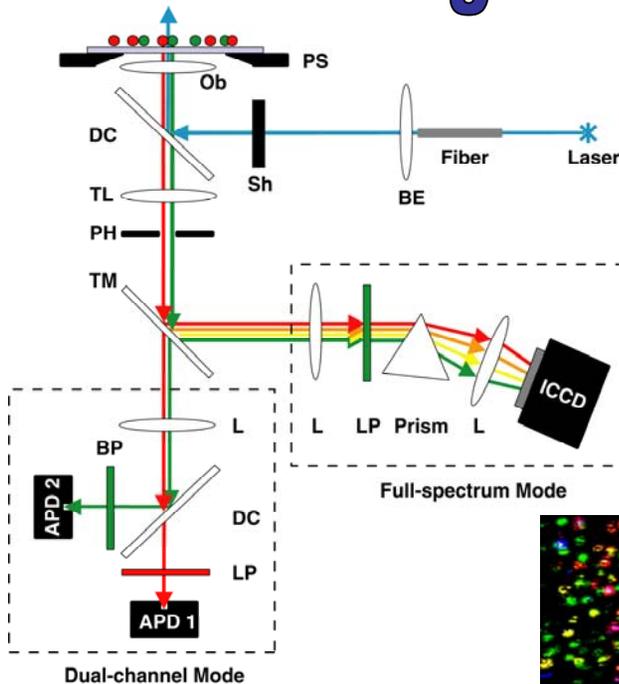
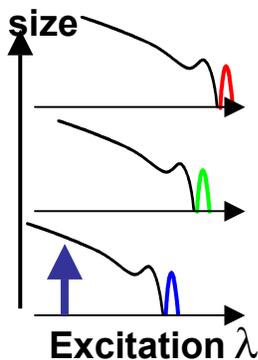
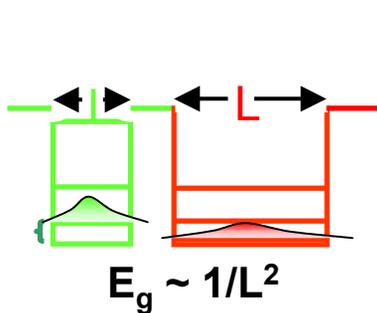


Development of Q-dots as biological probes



core (CdSe)
shell (ZnS or CdS)



- broad absorption
- narrow emission (~ 25 nm)
- symmetric emission (no tail)
- very good photostability
- long lifetime (>20 ns)
- detectable by electron microscopy
- ideal for multicolor measurements (flow cytometry, colocalization, FISH...)